

WO 03/086326

SEQUENCE LISTING

<110> The Regents of the University of California

<120> G-TYPE PEPTIDES TO AMELIORATE ATHEROSCLEROSIS

<130> 407T-301110PC

<150> US 10/120,508

<151> 2002-04-05

<160> 32

<170> PatentIn version 3.2

<210> 1

<211> 22

<212> PRT

<213> Artificial

<220>

<223> Synthetic D peptide.

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Leu Leu Glu Gln Leu Asn Glu Gln Phe Asn Trp Val Ser Arg Leu Ala  
1 5 10 15

Asn Leu Thr Gln Gly Glu  
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<210> 2

<211> 18

<212> PRT

<213> Artificial

<220>

<223> Synthetic D peptide.

<400> 2

Leu Leu Glu Gln Leu Asn Glu Gln Phe Asn Trp Val Ser Arg Leu Ala  
1 5 10 15

Asn Leu

<210> 3

<211> 25

<212> PRT

<213> Artificial

<220>

<223> Synthetic D peptide.

<400> 3

Asn Glu Leu Gln Glu Met Ser Asn Gln Gly Ser Lys Tyr Val Asn Lys  
 1 5 10 15

Glu Ile Gln Asn Ala Val Asn Gly Val  
 20 25

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 <212> PRT  
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Ile Gln Asn Ala Val Asn Gly Val Lys Gln Ile Lys Thr Leu Ile Glu  
 1 5 10 15

Lys Thr Asn Glu Glu  
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<400> 5

Arg Lys Thr Leu Leu Ser Asn Leu Glu Glu Ala Lys Lys Lys Lys Glu  
 1 5 10 15

Asp Ala Leu Asn Glu Thr Arg Glu Ser Glu Thr Lys Leu Lys Glu Leu  
 20 25 30

<210> 6  
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<400> 6

Pro Gly Val Cys Asn Glu Thr Met Met Ala Leu Trp Glu Glu Cys Lys  
 1 5 10 15

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<212> PRT  
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Pro Cys Leu Lys Gln Thr Cys Met Lys Phe Tyr Ala Arg Val Cys Arg  
1 5 10 15

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Glu Cys Lys Pro Cys Leu Lys Gln Thr Cys Met Lys Phe Tyr Ala Arg  
1 5 10 15

Val Cys Arg

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<400> 9

Leu Val Gly Arg Gln Leu Glu Glu Phe Leu  
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<210> 10  
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<220>  
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Met Asn Gly Asp Arg Ile Asp Ser Leu Leu Glu Asn  
1 5 10

<210> 11

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<400> 11

Gln Gln Thr His Met Leu Asp Val Met Gln Asp  
1 5 10

<210> 12  
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<400> 12

Phe Ser Arg Ala Ser Ser Ile Ile Asp Glu Leu Phe Gln Asp  
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<210> 13  
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<220>  
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<400> 13

Pro Phe Leu Glu Met Ile His Glu Ala Gln Gln Ala Met Asp Ile  
1 5 10 15

<210> 14  
<211> 11  
<212> PRT  
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<220>  
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<400> 14

Pro Thr Glu Phe Ile Arg Glu Gly Asp Asp Asp  
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<210> 15  
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<212> PRT  
<213> Artificial

&lt;220&gt;

&lt;223&gt; Synthetic D peptide.

&lt;400&gt; 15

Arg Met Lys Asp Gln Cys Asp Lys Cys Arg Glu Ile Leu Ser Val  
1 5 10 15

&lt;210&gt; 16

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Synthetic D peptide.

&lt;400&gt; 16

Pro Ser Gln Ala Lys Leu Arg Arg Glu Leu Asp Glu Ser Leu Gln Val  
1 5 10 15

Ala Glu Arg Leu Thr Arg Lys Tyr Asn Glu Leu Leu Lys Ser Tyr Gln  
20 25 30

&lt;210&gt; 17

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Synthetic D peptide.

&lt;400&gt; 17

Leu Leu Glu Gln Leu Asn Glu Gln Phe Asn Trp Val Ser Arg Leu Ala  
1 5 10 15

Asn Leu Thr Glu Gly Glu  
20

&lt;210&gt; 18

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Synthetic D peptide.

&lt;400&gt; 18

Asp Gln Tyr Tyr Leu Arg Val Thr Thr Val Ala  
1 5 10

&lt;210&gt; 19

<211> 14  
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<213> Artificial

<220>  
<223> Synthetic D peptide.

<400> 19

Pro Ser Gly Val Thr Glu Val Val Val Lys Leu Phe Asp Ser  
1 5 10

<210> 20  
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<220>  
<223> Synthetic D peptide.

<400> 20

Pro Lys Phe Met Glu Thr Val Ala Glu Lys Ala Leu Gln Glu Tyr Arg  
1 5 10 15

Lys Lys His Arg Glu  
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<213> Artificial

<220>  
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<400> 21

Trp Asp Arg Val Lys Asp Leu Ala Thr Val Tyr Val Asp Val Leu Lys  
1 5 10 15

Asp Ser Gly Arg Asp Tyr Val Ser Gln Phe  
20 25

<210> 22  
<211> 25  
<212> PRT  
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<220>  
<223> Synthetic D peptide.

<400> 22

Val Ala Thr Val Met Trp Asp Tyr Phe Ser Gln Leu Ser Asn Asn Ala

1 5 10 15

Lys Glu Ala Val Glu His Leu Gln Lys  
20 25

<210> 23  
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<212> PRT  
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<220>  
<223> Synthetic D peptide.

<400> 23

Arg Trp Glu Leu Ala Leu Gly Arg Phe Trp Asp Tyr Leu Arg Trp Val  
1 5 10 15

Gln Thr Leu Ser Glu Gln Val Gln Glu Glu Leu  
20 25

<210> 24  
<211> 35  
<212> PRT  
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<220>  
<223> Synthetic D peptide.

<400> 24

Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala Leu Met Asp Glu Thr  
1 5 10 15

Met Lys Glu Leu Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu Glu Glu  
20 25 30

Gln Leu Thr  
35

<210> 25  
<211> 26  
<212> PRT  
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<220>  
<223> Synthetic D peptide.

<400> 25

Ala Arg Leu Ser Lys Glu Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala  
1 5 10 15

Asp Met Glu Asp Val Cys Gly Arg Leu Val  
                   20                                  25

<210> 26  
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<220>  
 <223> Synthetic D peptide.

<400> 26

Val Arg Leu Ala Ser His Leu Arg Lys Leu Arg Lys Arg Leu Leu Arg  
 1                  5                                  10                                  15

Asp Ala Asp Asp Leu Gln Lys Arg Leu Ala  
                   20                                  25

<210> 27  
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<220>  
 <223> Synthetic D peptide.

<400> 27

Pro Leu Val Glu Asp Met Gln Arg Gln Trp Ala Gly Leu Val Glu Lys  
 1                  5                                  10                                  15

Val Gln Ala

<210> 28  
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 <212> PRT  
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<400> 28

Met Ser Thr Tyr Thr Gly Ile Phe Thr Asp Gln Val Leu Ser Val Leu  
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Lys

<210> 29



<211> 22  
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<220>  
<223> Synthetic D peptide.

<400> 29

Leu Leu Ser Phe Met Gln Gly Tyr Met Lys His Ala Thr Lys Thr Ala  
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Lys Asp Ala Leu Ser Ser  
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<210> 30  
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<212> PRT  
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<223> Peptide linker

<400> 30

Gly Gly Gly Gly Ser Ser Ser  
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<210> 31  
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<212> PRT  
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<223> Synthetic D peptide.

<400> 31

Leu Leu Glu Gln Leu Asn Glu Gln Phe Asn Trp Val Ser Arg Leu Ala  
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Asn Leu Thr Gln Gly Glu Pro Leu Leu Glu Gln Leu Asn Glu Gln Phe  
20 25 30

Asn Trp Val Ser Arg Leu Ala Asn Leu Thr Gln Gly Glu  
35 40 45

<210> 32  
<211> 41  
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<220>  
<223> Synthetic D peptide.

&lt;400&gt; 32

Leu Leu Glu Gln Leu Asn Glu Gln Phe Asn Trp Val Ser Arg Leu Ala  
1 5 10 15

Asn Leu Thr Gln Gly Glu Pro Asp Trp Phe Lys Ala Phe Tyr Asp Lys  
20 25 30

Val Ala Glu Lys Phe Lys Glu Ala Phe  
35 40